Data Sheet | Item Number: 2773-408/995-005

PUSH WIRE® splicing connector; for solid and stranded conductors; max. 4 mm²; 8-conductor; transparent housing; light gray cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

https://www.wago.com/2773-408/995-005



Color: transparent

Push wire® splicing connector, 2773 Series, transparent

Push wire® splicing connector (item number 2773-408/995-005) simplifies electrical installations. This series of PUSH WIRE® connectors ensures safe and quick connections in both surface-mounted and flush-mounted junction boxes in any building, regardless of installation complexity. Conductors can only be connected to push wire® splicing connector if their strip length is 13 mm . Rated current and voltage are important parameters when choosing a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 450 V and a rated current of 32 A, making it suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this product is highly versatile. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The dimensions are (21.2 x 11.3 x 18.6) mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is ideal for conductor cross sections ranging from 0.75 mm² to 4 mm².

Tin is used for coating the contact surfaces.

This item includes:



Item No.: 2773-408	5
PUSH WIRE® splicing connector; for solid and stranded conductors; max. 4 mm²; 8-conductor; transparent housing; light gray cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent	

Electrical data

Ratings per	IEC/EN 60998		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	450 V
Rated impulse withstand voltage	-	-	4 kV
Rated current	-	-	32 A

Approvals per	UL 486C		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

General information

Wiring direction	Side-entry wiring

Connection Data

Clamping units	8
Total number of potentials	1

Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper
Solid conductor	0.75 … 4 mm² / 20 … 12 AWG
Stranded conductor	1.5 … 4 mm² / 18 … 12 AWG
Conductor diameter	1.6 … 2 mm / 20 … 12 AWG
Strip length	13 mm / 0.51 inches
Wiring direction	Side-entry wiring

Physical data

Width	21.2 mm / 0.835 inches
Height	11.3 mm / 0.445 inches
Depth	18.6 mm / 0.732 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	transparent
Cover color	light gray
Material group	IIIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.053 MJ
Weight	3.4 g

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Environmental requirements

Ambient temperature (operation)	+85 °C
Processing temperature	-35 … +60 °C
Continuous operating temperature	-40 … +105 °C
Temperature marking per EN 60998	T85

Commercial data

PU (SPU)	90 (5) pcs
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966001563
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2773-408/995-005

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



Item No.: 207-1332
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray



Item No.: 207-1333
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; gray

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1.1.2 Mounting adapter

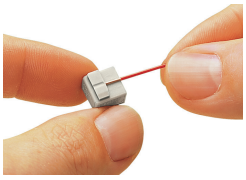
1.1.2.1 Mounting accessories



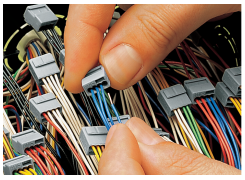
Item No.: 2773-500
Mounting carrier; for single- and double-row con.; 2773 Series; for DIN-35 rail mounting/ screw mounting; orange

Installation Notes

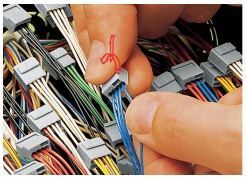
Conductor termination



Strip solid conductors to 5 … 6 mm (0.19 … 0.23 inch).



Termination: Insert the stripped solid conductor until it hits the backstop.



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

Installation



Connector strips:
Assembling modular connectors into connector strips.

Commoning



Commoned connector strips

Testing



Testing via test port opposite to conductor entry.

Continued on next page



The 243 Series can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.

No general approval is given to PUSH WIRE® connectors by the VdS association. The connectors must be tested together with the different parts of the system.
The requirements for connectors are specified in the VdS guidelines for junction boxes (VdS 2116) in section 8.7: "The junction box connectors must be designed to guarantee a reliable and stable connection."

The verification of the fulfillment of these requirements is documented in the VDE test report No. 2574-1440-4031 for the insulated 243 Series PUSH WIRE® Connectors.